

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S153  | 30   | ((real\$Time OR instant\$3 OR instantaneous) NEAR (correct\$3 OR calculation)) SAME (velocity OR speed) SAME (encoder OR index\$signal OR timing) SAME (exposure OR cur\$3 OR set)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/04/17 16:24 |
| S154  | 30   | ((real\$Time OR instant\$3 OR instantaneous) NEAR (correct\$3 OR calculation)) SAME (velocity OR speed) SAME (encoder OR index\$signal OR timing) AND (exposure OR cur\$3 OR set) AND (LED OR diode OR laser)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/04/17 16:29 |
| S155  | 6    | ((real\$Time OR instant\$3 OR instantaneous) SAME (correct\$3 OR calculation)) NEAR (velocity OR speed) SAME (encoder OR index\$signal OR timing) AND (exposure OR cur\$3 OR set) AND (LED OR diode OR laser) AND photo\$sensitive | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/04/18 09:32 |
| S156  | 1829 | (real\$Time OR instant\$3 OR instantaneous) SAME (correct\$3 OR calculation) SAME (exposure OR cur\$3 OR set) SAME (velocity OR speed) AND (LED OR diode OR laser)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/04/18 09:34 |
| S157  | 483  | (real\$Time OR instant\$3 OR instantaneous) SAME (correct\$3 OR calculation) SAME (exposure OR cur\$3 OR set) SAME (velocity OR speed) SAME (LED OR diode OR laser)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/04/18 09:36 |
| S159  | 19   | ("4455562"   "4473029"   "4546060"   "5134495"   "5193008"   "5253934"   "5255013"   "5389953"   "5546165"   "5557412"   "5586055"   "5694224"   "5739841").PN. OR ("6088050").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR               | ON      | 2006/04/18 10:19 |
| S161  | 12   | ("4475115" "4620200" "4835545" "6037584" "6422682" "6576883").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/04/18 10:28 |
| S162  | 2    | "20050190212".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/04/18 10:29 |
| S163  | 18   | ("4835545").URPN.  | USPAT  | OR               | ON      | 2006/04/18 10:52 |
| S160  | 6    | ("4475115" "4620200" "4835545" "6037584" "6422682" "6576883").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR               | ON      | 2006/04/18 11:02 |
| S164  | 6    | ("6088050").URPN.  | USPAT  | OR               | ON      | 2006/04/18 11:06 |
| S158  | 67   | (real\$Time OR instant\$3 OR instantaneous) SAME (correct\$3 OR calculation) SAME (exposure OR cur\$3 OR set) SAME (velocity OR speed) SAME (LED OR diode OR laser) SAME (timing OR index\$signal OR encoder)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/04/18 12:06 |

## EAST Search History

|      |      |  |   |    |    |                  |
|------|------|--|---|----|----|------------------|
| S167 | 2175 | (real\$time OR instant\$3 OR instantaneous) SAME (correct\$3 OR control) SAME (exposure OR cur\$3 OR set) SAME (velocity OR speed) SAME (LED OR diode OR laser)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/18 12:20 |
| S166 | 2197 | (real\$time OR instant\$3 OR instantaneous) SAME (correct\$3 OR calculation OR control) SAME (exposure OR cur\$3 OR set) SAME (velocity OR speed) SAME (LED OR diode OR laser)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/18 12:20 |
| S165 | 284  | (real\$time OR instant\$3 OR instantaneous) SAME (correct\$3 OR calculation OR control) SAME (exposure OR cur\$3 OR set) SAME (velocity OR speed) SAME (LED OR diode OR laser) SAME (timing OR index\$signal OR encoder) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/18 12:20 |
| S168 | 56   | (real\$time OR instant\$3 OR instantaneous) SAME (correct\$3 OR control) NEAR(exposure OR cur\$3 OR set) SAME (velocity OR speed) SAME (LED OR diode OR laser)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/18 12:21 |
| S170 | 9    | ("4057347"   "5489986"   "5491534"   "5526093"   "5567928"   "5581075"   "5591958"   "5627627"   "5995203").PN. OR ("6191844").URPN.   | US-PGPUB; USPAT; USOCR                              | OR | ON | 2006/04/18 12:22 |
| S171 | 11   | ("4057347"   "5489986"   "5567928"   "5581075"   "5591958"   "5627627").PN. OR ("5995203").URPN.   | US-PGPUB; USPAT; USOCR                              | OR | ON | 2006/04/18 12:24 |
| S169 | 56   | (real\$time OR instant\$3 OR instantaneous) SAME (correct\$3 OR control) NEAR (exposure OR cur\$3 OR set) SAME (velocity OR speed) SAME (LED OR diode OR laser)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/18 12:28 |
| S172 | 56   | (real\$time OR instant\$3 OR instantaneous) SAME ((correct\$3 OR control) NEAR (exposure OR cur\$3 OR set)) SAME (velocity OR speed) SAME (LED OR diode OR laser)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/18 12:29 |
| S173 | 1001 | ((correct\$3 OR control) NEAR (exposure OR cur\$3 OR set)) SAME (velocity OR speed) SAME (LED OR diode OR laser)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/18 12:30 |
| S175 | 56   | ((correct\$3 OR control) NEAR (exposure OR cur\$3 OR set)) SAME ((real\$time OR instant\$3 OR instantaneous) SAME (velocity OR speed)) SAME (LED OR diode OR laser)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/18 12:31 |
| S174 | 3    | ((correct\$3 OR control) NEAR (exposure OR cur\$3 OR set)) SAME ((real\$time OR instant\$3 OR instantaneous) NEAR (velocity OR speed)) SAME (LED OR diode OR laser)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/18 12:31 |

## EAST Search History

|      |       |  |  |    |    |                  |
|------|-------|--|--|----|----|------------------|
| S177 | 72    | ((correct\$3 OR control) SAME (exposure OR cur\$3 OR set)) SAME ((real\$time OR instant\$3 OR instantaneous) NEAR (velocity OR speed)) SAME (LED OR diode OR laser)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 12:34 |
| S179 | 20    | ((correct\$3 OR control) NEAR (exposure OR curing)) SAME ((real\$time OR instant\$3 OR instantaneous) SAME (velocity OR speed)) SAME (LED OR diode OR laser)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 12:35 |
| S178 | 2     | ((correct\$3 OR control) SAME (exposure OR curing)) SAME ((real\$time OR instant\$3 OR instantaneous) NEAR (velocity OR speed)) SAME (LED OR diode OR laser)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 12:35 |
| S176 | 2175  | ((correct\$3 OR control) SAME (exposure OR cur\$3 OR set)) SAME ((real\$time OR instant\$3 OR instantaneous) SAME (velocity OR speed)) SAME (LED OR diode OR laser)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 12:36 |
| S180 | 2     | ((correct\$3 OR control) SAME (exposure OR cur\$3 OR set)) SAME ((real\$time OR instant\$3 OR instantaneous) SAME (velocity OR speed)) SAME (LED OR diode OR laser) SAME (print\$head OR scan\$head) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 12:37 |
| S181 | 23100 | ((correct\$3 OR control) SAME (exposure OR cur\$3 OR set)) SAME ((real\$time OR instant\$3 OR instantaneous) SAME (velocity OR speed))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 12:38 |
| S182 | 21    | ((correct\$3 OR control) SAME (exposure OR cur\$3 OR set)) SAME ((real\$time OR instant\$3 OR instantaneous) SAME (velocity OR speed)) SAME (print\$head OR scan\$head)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 12:44 |
| S185 | 10    | ("4375064"   "5241328"   "5266973"   "5291221"   "5323179"   "5737300"   "5874981"   "6011575"   "6060208"   "6396792").PN. OR ("6590600").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 12:49 |
| S186 | 21    | ("4030106"   "4074318"   "4555562"   "4710779"   "4857944"   "4878072"   "4897672"   "4999673"   "5097342"   "5146241"   "5146242"   "5164742"   "5220348").PN. OR ("5323179").URPN.                 | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 12:51 |
| S187 | 19    | ("2868642"   "2922106"   "3217111"   "3480963"   "3598910"   "3792495").PN. OR ("4030106").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 12:58 |
| S183 | 340   | 347/103.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 13:01 |

## EAST Search History

|      |     |  |  |    |    |                  |
|------|-----|--|--|----|----|------------------|
| S188 | 10  | ("4313124"   "4345262"   "4459600"   "4463359"   "4558333"   "4608577"   "4723129"   "4740796"   "5873663"   "6422682").PN. OR ("6742856").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 13:03 |
| S189 | 24  | ("4305674"   "4421431"   "4738553"   "4750049"   "4877343"   "4933867"   "5112149"   "5189436"   "5191356"   "5263994"   "5312193"   "5539433").PN. OR ("5873663").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 13:05 |
| S190 | 14  | ("4457639"   "4869610"   "5207520"   "5368402"   "5547295"   "5547296"   "5690440"   "5871291"   "5873663").PN. OR ("6139205").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 13:21 |
| S191 | 13  | ("5368402").URPN.  | USPAT  | OR | ON | 2006/04/18 13:26 |
| S192 | 13  | ("4037230"   "4660077"   "4725849"   "4761085"   "5250957"   "5258773"   "5334920"   "5368402"   "5430469"   "5433543").PN. OR ("6076911").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 13:28 |
| S193 | 14  | ("4457639"   "4869610"   "5207520"   "5368402"   "5547295"   "5547296"   "5690440"   "5871291"   "5873663").PN. OR ("6139205").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 13:30 |
| S194 | 14  | ("4741634"   "4755070"   "4897589"   "5245359"   "5312193"   "5416395"   "5427461"   "5485178"   "5527121"   "5541508"   "5547295"   "5873663").PN. OR ("6000869").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 13:43 |
| S195 | 36  | ("4079298"   "4324499"   "4332461"   "4529281"   "4541334"   "4761085"   "4772837"   "4775087"   "4833626"   "4869610"   "5189436").PN. OR ("5527121").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 13:45 |
| S196 | 18  | ("4050564"   "4079298"   "4203678"   "4311399"   "4508463"   "4761085"   "4869610"   "4948279"   "5033889"   "5189436"   "5207520"   "5245359"   "5291824"   "5527121"   "5547295"   "5561449").PN. OR ("5997130").URPN.                                     | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 13:51 |
| S184 | 27  | ((correct\$3 OR control) SAME (exposure OR cur\$3 OR set)) SAME ((real\$Time OR instant\$3 OR instantaneous) SAME (velocity OR speed)) AND (print\$head OR scan\$head) SAME (moving OR movable)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 14:05 |
| S198 | 4   | exposure SAME ((correct\$3 OR control)) SAME ((real\$Time OR instant\$3 OR instantaneous) SAME (velocity OR speed)) AND (print\$head OR scan\$head)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 15:09 |
| S197 | 121 | ((correct\$3 OR control)) SAME ((real\$Time OR instant\$3 OR instantaneous) SAME (velocity OR speed)) AND (print\$head OR scan\$head) SAME (exposure OR irradiation OR thermal OR heat)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 15:09 |
| S200 | 10  | ("4375064"   "5241328"   "5266973"   "5291221"   "5323179"   "5737300"   "5874981"   "6011575"   "6060208"   "6396792").PN. OR ("6590600").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 15:12 |
| S201 | 21  | ("4679057"   "4804975"   "4827279"   "4903042"   "5021805"   "5126760"   "5144631"   "5168288"   "5241328"   "5270736"   "5325383"   "5371524"   "5389959"   "5517231"   "5521629"   "5529408"   "5553951"   "5557303"   "5671003").PN. OR ("5874981").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/18 15:15 |
| S202 | 38  | ("5168288").URPN.  | USPAT  | OR | ON | 2006/04/18 15:21 |

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|      |     |   |  |    |    |                  |
|------|-----|---|--|----|----|------------------|
| S199 | 4   | exposure NEAR ((correct\$3 OR control)) SAME ((real\$time OR instant\$3 OR instantaneous) SAME (velocity OR speed)) AND (print\$head OR scan\$head)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 15:56 |
| S203 | 93  | (exposure OR intensity OR emission) NEAR ((correct\$3 OR control)) SAME ((real\$time OR instant\$3 OR instantaneous) SAME (velocity OR speed)) AND (print\$head OR scan\$head OR head)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 15:58 |
| S204 | 33  | (exposure OR intensity OR emission) NEAR ((correct\$3 OR control)) SAME ((real\$time OR instant\$3 OR instantaneous) SAME (velocity OR speed)) SAME (print\$head OR scan\$head OR head) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 15:59 |
| S205 | 36  | (exposure OR intensity OR emission) SAME ((real\$time OR instant\$3 OR instantaneous) NEAR (velocity OR speed)) SAME (print\$head OR scan\$head OR head)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 16:02 |
| S207 | 204 | (exposure OR intensity OR emission) SAME ((real\$time OR instant\$3 OR instantaneous) NEAR (velocity OR speed)) AND (laser OR LED OR diode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 16:06 |
| S210 | 17  | ((real\$time OR instant\$3 OR instantaneous) NEAR (velocity OR speed)) SAME (laser OR LED OR diode) SAME print  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 16:13 |
| S209 | 457 | ((real\$time OR instant\$3 OR instantaneous) NEAR (velocity OR speed)) SAME (laser OR LED OR diode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 16:13 |
| S208 | 36  | (exposure OR intensity OR emission) SAME ((real\$time OR instant\$3 OR instantaneous) NEAR (velocity OR speed)) SAME (laser OR LED OR diode)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 16:39 |
| S206 | 179 | (exposure OR intensity OR emission) SAME ((real\$time OR instant\$3 OR instantaneous) NEAR (velocity OR speed)) AND (print\$head OR scan\$head OR head)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 16:40 |
| S213 | 1   | (light\$intensity) SAME ((real\$time OR instant\$3 OR instantaneous) NEAR (velocity OR speed)) SAME (laser OR LED OR diode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 16:42 |

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|      |       |   |  |    |    |                  |
|------|-------|---|--|----|----|------------------|
| S212 | 9     | (exposure) SAME ((real\$time OR instant\$3 OR instantaneous) NEAR (velocity OR speed)) SAME (laser OR LED OR diode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/18 16:42 |
| S211 | 8755  | (exposure OR light\$intensity) SAME ((velocity OR speed)) SAME (laser OR LED OR diode)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/24 16:40 |
| S215 | 841   | (exposure OR light\$intensity OR irradiat\$4) SAME (laser OR LED OR diode) NEAR ((velocity OR speed))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/24 16:42 |
| S214 | 18981 | (exposure OR light\$intensity OR irradiat\$4) SAME (laser OR LED OR diode) SAME ((velocity OR speed))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/24 16:42 |
| S216 | 5669  | (exposure OR light\$intensity OR irradiat\$4) SAME (control OR adjust\$4 OR correct\$4 OR regulat\$4) SAME (laser OR LED OR diode) SAME ((velocity OR speed))                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/24 16:43 |
| S217 | 73    | (exposure OR light\$intensity OR irradiat\$4) SAME (control OR adjust\$4 OR correct\$4 OR regulat\$4) SAME (laser OR LED OR diode) SAME ((velocity OR speed)) AND (scan\$head OR print\$head) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/24 16:44 |
| S218 | 22    | (exposure OR light\$intensity OR irradiat\$4) NEAR (control OR adjust\$4 OR correct\$4 OR regulat\$4) SAME (laser OR LED OR diode) SAME ((velocity OR speed)) AND (scan\$head OR print\$head) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/25 09:27 |
| S220 | 20    | ("20020131703" "4837587" "4837589" "5212500" "5260587" "5882468" "6163332" "6208829" "6222579" "6429924").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/25 09:28 |
| S219 | 10    | ("4837587" "4837589" "5882468" "6163332" "6429924").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/25 09:28 |
| S222 | 18    | ("2393408" "3744393" "3807857" "3819373" "3891317" "4444489" "4470687" "4769667" "4961087" "5038168" "5325142" "5333011" "5424804" "5515138" "5663784").PN. OR ("5767950").URPN.              | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 11:27 |

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|      |       |  |  |    |    |                  |
|------|-------|--|--|----|----|------------------|
| S221 | 2     | "5767950".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/25 11:27 |
| S223 | 26    | ("4884101"   "4901109"   "4924257"   "5097291"  <br>"5148214"   "5160962"   "5194893"   "5250797"  <br>"5285236"   "5291240"   "5363172"   "5473410").PN. OR<br>("5663784").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 11:35 |
| S224 | 38    | ("3823318"   "4519692"   "4676630"   "4711568"  <br>"4748477"   "4749867"   "4804978"   "4822975"  <br>"4884101"   "4947047"   "4970546"   "4974919"  <br>"4998134"   "5053614"   "5107275"   "5112133"  <br>"5119390"   "5171965"   "5182615"   "5191374"  <br>"5250797"   "5473412"   "5475491"   "5491534"  <br>"5608492"   "5617182"   "5627627"   "5663784"  <br>"5728495"   "5777724"   "5846678"   "6078381"  <br>"6081319"   "6175405").PN. OR ("6424405").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 11:45 |
| S225 | 19    | ("4455562"   "4473029"   "4546060"   "5134495"  <br>"5193008"   "5253934"   "5255013"   "5389953"  <br>"5546165"   "5557412"   "5586055"   "5694224"  <br>"5739841").PN. OR ("6088050").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 12:10 |
| S226 | 22    | ("4746941"   "4831395"   "4885597"   "5200765"  <br>"5255013"   "5257039").PN. OR ("5586055").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 12:18 |
| S227 | 6     | ("5258778"   "5416613"   "5586055"   "5592205"  <br>"5818501").PN. OR ("6292209").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 12:25 |
| S228 | 9     | ("4455562"   "5586055"   "5640190"   "5818501").PN.<br>OR ("5914744").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 12:46 |
| S229 | 13    | ("4455562"   "4473029"   "4546060"   "5134495"  <br>"5193008"   "5253934"   "5255013"   "5389953"  <br>"5586055").PN. OR ("5809216").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 13:54 |
| S230 | 72    | ("3245158"   "3318996"   "3346692"   "3512129"  <br>"3541248"   "3874097"   "4349730"   "4375916"  <br>"4392053"   "4523235"   "4538060"   "4544842"  <br>"4553035"   "4574317"   "4575625"   "4703186").PN. OR<br>("4793812").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 14:15 |
| S231 | 72    | ("3245158"   "3318996"   "3346692"   "3512129"  <br>"3541248"   "3874097"   "4349730"   "4375916"  <br>"4392053"   "4523235"   "4538060"   "4544842"  <br>"4553035"   "4574317"   "4575625"   "4703186").PN. OR<br>("4793812").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 15:22 |
| S232 | 14701 | (velocity OR speed) SAME (calculat\$4 OR ALU OR<br>arithmetic\$logic) AND (factor\$3 OR multiply\$3 OR<br>scal\$3) SAME (exposure OR intensity OR radia\$4 OR<br>iradia\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/25 15:27 |
| S235 | 3     | (velocity OR speed) NEAR (calculat\$4) NEAR (ALU OR<br>arithmetic\$logic OR process\$3) SAME (factor\$3 OR<br>multiply\$3 OR scal\$3) SAME (exposure OR intensity<br>OR radia\$4 OR iradia\$4) AND (LED OR laser OR<br>diode)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/25 15:31 |

## EAST Search History

|      |    |  |   |    |    |                  |
|------|----|--|---|----|----|------------------|
| S236 | 2  | (velocity OR speed) NEAR (calculat\$4) NEAR (ALU OR arithmetic\$logic OR processor OR CPU OR logic) SAME (factor\$3 OR multiply\$3 OR scal\$3) SAME (exposure OR intensity OR radia\$4 OR iradia\$4) AND (LED OR laser OR diode)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/25 15:33 |
| S237 | 2  | (velocity OR speed) NEAR (calculat\$4 OR determin\$5) NEAR (ALU OR arithmetic\$logic OR processor OR CPU OR logic) SAME (factor\$3 OR multiply\$3 OR scal\$3) SAME (exposure OR intensity OR radia\$4 OR iradia\$4) AND (LED OR laser OR diode)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/25 15:35 |
| S238 | 67 | (velocity OR speed) NEAR (calculat\$4 OR determin\$5) NEAR (ALU OR arithmetic\$logic OR processor OR CPU OR logic) AND (factor\$3 OR multiply\$3 OR scal\$3 OR correct\$4 OR adjust\$3) SAME (exposure OR intensity OR radia\$4 OR iradia\$4) AND (LED OR laser OR diode)                                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/25 15:42 |
| S239 | 55 | (velocity OR speed) NEAR (calculat\$4 OR determin\$5) NEAR (ALU OR arithmetic\$logic OR processor OR CPU OR logic) AND (factor\$3 OR multiply\$3 OR scal\$3 OR correct\$4 OR adjust\$3) SAME (exposure OR intensity OR radia\$4 OR iradia\$4) AND (LED OR laser OR diode) AND (print\$head OR head OR array) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/25 15:44 |
| S240 | 53 | (velocity OR speed) NEAR (calculat\$4 OR determin\$5) NEAR (ALU OR arithmetic\$logic OR processor OR CPU OR logic) AND (factor\$3 OR multiply\$3 OR scal\$3 OR correct\$4 OR adjust\$3) SAME (exposure OR intensity OR radia\$4 OR iradia\$4) AND (LED OR laser OR diode) AND (print\$head OR array)         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/25 15:53 |
| S241 | 67 | (velocity OR speed) NEAR (calculat\$4 OR determin\$5) NEAR (ALU OR arithmetic\$logic OR processor OR CPU OR logic) AND (exposure OR intensity OR irradia\$4) AND (LED OR laser OR diode) AND (print\$head OR array)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/25 16:01 |
| S242 | 0  | (velocity OR speed) NEAR (calculat\$4 OR determin\$5) NEAR (ALU OR arithmetic\$logic OR processor OR CPU OR logic) AND (expos\$3 OR intensity OR irradia\$4) AND (LED OR laser OR diode) AND (print\$head)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/25 16:08 |
| S243 | 0  | (velocity OR speed) NEAR (calculat\$4 OR determin\$5) NEAR (ALU OR arithmetic\$logic OR processor OR CPU OR logic) AND (expos\$3 OR intensity OR irradia\$4) AND (LED OR laser OR diode) AND (print\$head OR non\$impact)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/25 16:09 |
| S244 | 28 | (velocity OR speed) NEAR (calculat\$4 OR determin\$5) SAME (ALU OR arithmetic\$logic OR processor OR CPU OR logic) AND (expos\$3 OR intensity OR irradia\$4) AND (LED OR laser OR diode) AND (print\$head OR non\$impact)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/25 16:16 |
| S245 | 16 | ("4750010"   "5255013"   "5300960"   "5317344"   "5327524"   "5384646"   "5493322"   "5546165"   "5657069"   "5739841"   "5805197"   "5818501"   "5828400"   "5859657"   "5926201"   "6061078").PN. OR ("7016070").URPN.   | US-PGPUB; USPAT; USOCR                              | OR | ON | 2006/04/25 16:33 |



## EAST Search History

|      |      |   |  |    |    |                  |
|------|------|---|--|----|----|------------------|
| S233 | 3381 | (velocity OR speed) SAME (calculat\$4 OR ALU OR arithmetic\$logic) SAME (factor\$3 OR multiply\$3 OR scal\$3) SAME (exposure OR intensity OR radia\$4 OR iradia\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/25 17:07 |
| S246 | 5    | (instantaneous NEAR (velocity OR speed)) SAME (calculat\$4 OR ALU OR arithmetic\$logic) SAME (factor\$3 OR multiply\$3 OR scal\$3) SAME (exposure OR intensity OR radia\$4 OR iradia\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/25 17:08 |
| S247 | 20   | ("4422083"   "4551732").PN. OR ("4835545").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 17:44 |
| S248 | 1    | "5255013".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 17:49 |
| S249 | 1    | "6576885".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 17:50 |
| S252 | 12   | ("4982205"   "5943139").PN. OR ("6037584").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 17:51 |
| S251 | 1    | "6037584".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 17:51 |
| S250 | 1    | "6576883".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 17:51 |
| S253 | 10   | ("5117119"   "5377020"   "5502578"   "5621205"   "5986705"   "6037584"   "6038038"   "6204881"   "6262816"   "6331832").PN. OR ("6576883").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/25 17:53 |
| S254 | 30   | ("4938816"   "4983419"   "4999143"   "5014207"   "5058988"   "5059021"   "5104592"   "5123734"   "5133987"   "5174931"   "5182056"   "5182715"   "5184307"   "5192469"   "5192559"   "5238639"   "5256340"   "5321622"   "5429908"   "5495328"   "5597520"   "5840239"   "5902537"   "5943235"   "5999184"   "B1 4575330").PN. OR ("6215095").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/28 15:59 |
| S255 | 2378 | (exposure OR intensity OR radiat\$4) NEAR (depend\$4 OR control\$3 OR variable) SAME (velocity OR rate OR speed) SAME (laser OR LED OR diode OR ultra\$ violet OR UV)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/28 16:01 |
| S256 | 56   | (exposure OR intensity OR radiat\$4) NEAR (depend\$4 OR control\$3 OR variable) NEAR (velocity OR rate OR speed) SAME (laser OR LED OR diode OR ultra\$ violet OR UV)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/28 16:09 |
| S257 | 64   | (exposure OR intensity OR radiat\$4) NEAR (depend\$4 OR control\$3 OR variable) NEAR (velocity OR rate OR speed) AND (laser OR LED OR diode OR ultra\$ violet OR UV) AND photo\$ sensitive  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/28 16:22 |

## EAST Search History

|     |        |  |  |    |    |                  |
|-----|--------|--|--|----|----|------------------|
| L4  | 2      | "5914744".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 10:27 |
| L6  | 43     | (((full\$scale) NEAR (factor\$3 OR correct\$4)) OR ((raw\$value) NEAR velocity)) AND exposure  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 10:47 |
| L5  | 0      | (((full\$scale) NEAR (factor\$3 OR correct\$4)) OR ((raw\$value) NEAR velocity)) SAME exposure   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 10:47 |
| L7  | 6      | (((full\$scale) NEAR (factor OR factoring OR correct\$4)) OR ((raw\$value) NEAR velocity)) AND exposure                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:30 |
| L8  | 237885 | (((full\$scale) NEAR (factor OR factoring OR correct\$4)) NEAR ((raw\$value) NEAR (velocity OR speed)) OR (velocity OR speed)) AND exposure  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:31 |
| L12 | 0      | (((full\$scale) NEAR (factor OR factoring OR correct\$4)) NEAR ((raw\$value) NEAR (velocity OR speed)) ) SAME exposure                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:32 |
| L11 | 0      | (((full\$scale) NEAR (factor OR factoring OR correct\$4)) NEAR ((raw\$value) NEAR (velocity OR speed)) ) NEAR exposure                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:32 |
| L10 | 3462   | (((full\$scale) NEAR (factor OR factoring OR correct\$4)) NEAR ((raw\$value) NEAR (velocity OR speed)) OR (velocity OR speed)) NEAR exposure | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:32 |
| L9  | 67496  | (((full\$scale) NEAR (factor OR factoring OR correct\$4)) NEAR ((raw\$value) NEAR (velocity OR speed)) OR (velocity OR speed)) SAME exposure | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:32 |
| L15 | 0      | (((full\$scale) NEAR (factor OR factoring OR correct\$4)) SAME exposure  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:33 |

## EAST Search History

|     |    |  |  |    |    |                  |
|-----|----|--|--|----|----|------------------|
| L14 | 0  | ((full\$scale) NEAR (factor OR factoring OR correct\$4))<br>SAME ((raw\$value) NEAR (velocity OR speed)) ) AND<br>exposure         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:33 |
| L13 | 0  | ((full\$scale) NEAR (factor OR factoring OR correct\$4))<br>SAME ((raw\$value) NEAR (velocity OR speed)) )<br>SAME exposure        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:33 |
| L17 | 48 | ((full\$scale) SAME (factor OR factoring OR correct\$4))<br>SAME (exposure OR intensity OR irradiation)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:34 |
| L16 | 0  | ((full\$scale) NEAR (factor OR factoring OR correct\$4))<br>SAME (exposure OR intensity OR irradiation)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:34 |
| L18 | 23 | ((full\$scale) SAME (factor OR factoring OR correct\$4))<br>SAME (exposure OR intensity OR irradiation) AND<br>(speed OR velocity) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 11:35 |
| L19 | 9  | ("4455562"   "5586055"   "5640190"   "5818501").PN.<br>OR ("5914744").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/05/01 12:25 |
| L20 | 0  | (moving NEAR print\$head) SAME ((exposure OR<br>intensity) NEAR (correction OR adjustment))  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/05/01 12:26 |
| L21 | 0  | (moving NEAR print\$head) SAME ((exposure OR<br>intensity) NEAR (correction OR adjustment))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 12:27 |
| L23 | 0  | ((moving OR reciproc\$3 OR travers\$3) NEAR<br>print\$head) SAME ((exposure OR intensity) SAME<br>(correction OR adjustment))      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 12:28 |
| L22 | 0  | ((moving OR reciproc\$3 OR travers\$3) NEAR<br>print\$head) SAME ((exposure OR intensity) NEAR<br>(correction OR adjustment))      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 12:28 |
| L24 | 2  | ((moving OR reciproc\$3 OR travers\$3) SAME<br>print\$head) SAME ((exposure OR intensity) SAME<br>(correction OR adjustment))      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 12:29 |

## EAST Search History

|     |    |  |  |    |    |                  |
|-----|----|--|--|----|----|------------------|
| L25 | 13 | ((moving OR reciproc\$3 OR travers\$3) SAME<br>print\$head) SAME ((exposure OR intensity) SAME<br>(correct\$3 OR adjust\$4))                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 12:30 |
| L26 | 10 | ("4375064"   "5241328"   "5266973"   "5291221"  <br>"5323179"   "5737300"   "5874981"   "6011575"  <br>"6060208"   "6396792").PN. OR ("6590600").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/05/01 12:35 |